

**ABSTRACT OF THE DISCLOSURE**

For a network coupler for network users in a network comprising at least two lines, a simultaneous data and energy transfer is ensured in that the network coupler is formed in such a way that it is suitable for data transfer via the two lines (1, 2) of the network and for coupling out energy from the two lines (1, 2) of the network to which a terminal of a voltage source is coupled, in that the network coupler symmetrically couples energy into and/or out of the two lines (1,2), in that the network coupler couples the data symmetrically, differentially and inductively or capacitively into and/or out of the two lines (1, 2), and in that the network coupler symmetrically terminates the two lines (1, 2).

Fig. 1